

# Power Generation

Rivolta Special Products



**Minimise your utilisation and maximise your safety**

Leading quality:

**Rivolta CASSIDA**

 **bremer & leguil**

# Content

Introduction



Fuels



Water power



Wind power



Product overview





## Knowledge – that is needed Development – to provides safety

**Safe operational processes combined with environmental protection, productivity and maximum output are the measure of all things in all power plants.**

The products of Bremer & Leguil can help you boost your output because our products guarantee a high level of operational reliability and long greasing intervals. That often means you can drive down the time and effort spent on maintenance by using synthetic products. What's more, this also

means minimising your assortment, which saves you money in terms of operating resources. But, we always keep the environment in mind. This is why we offer biologically degradable lubricants and cleaners for ecologically sensitive zones.

## Service – Expert on Site Service

**Service is the most important element for Bremer & Leguil. That's why we make a team of specialists available throughout the country.**

Bremer & Leguil offers you qualified consultation and a comprehensive assortment of products. Service is a key classification feature which is why we are represented throughout the country by a team of specialists in 40 cities and regions. For instance, we are on hand to answer your questions

on lubricants, corrosion protection and cleaners with our team from the applications technology department - or we would also be glad to work out custom-made strategies in collaboration with you.

## About Bremer & Leguil

**Bremer & Leguil has been known for 40 years because of its special lubricants, cleaners anticorrosives and maintenance products. With our wide range of products, we meet practically every challenge arising from technical jobs in industry, power supply and in many other areas.**

We point the way with state-of-the-art innovations and service. Our team of technical specialists is always there for you – with the expertise and advice your company needs. But that's not all. With our products, we are iconic for safety in

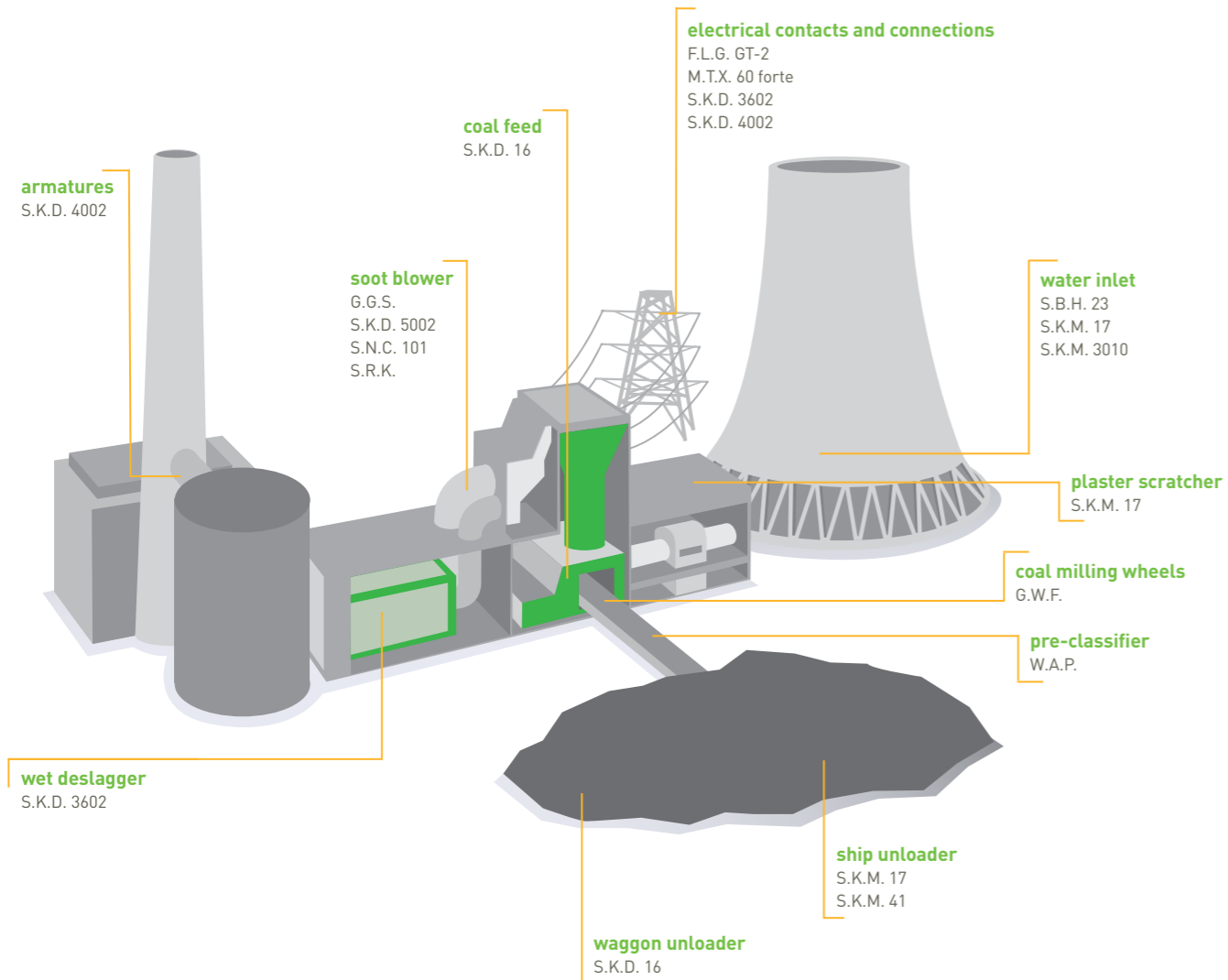
maintenance and production. We only use select materials for driving down hazardous substance requirements while boosting safety for users and the environment.





## Power stations for fuels

We offer a varied assortment of products for optimum fuel power station operation. They can be used at various working points to make a contribution to scaling back your assortment of products. For instance, you could use Rivolta S.K.D. 4002 in a waste-fuel power station to downsize your assortment of products from a wide range of different lubricants to a few special lubricants.



This illustration only shows a simplified product outline. Please get in contact with us directly to find the appropriate product for your specific application.

### Lubricating greases

Rivolta®-greases are high-performance synthetic lubricants from a combination of high-quality basic oils in connection with a high-performance additive package. That gives our products a performance range that is head and shoulders above traditional greases.

| product            | features  | areas of application   |
|--------------------|---|--|
| <b>F.L.G. GT-2</b> | <ul style="list-style-type: none"> <li>• excellent corrosion protection on silver and aluminium contacts</li> <li>• good plastic compatibility</li> <li>• ageing- and oxidation-resistant</li> <li>• NSF-H1 listed</li> </ul> | <ul style="list-style-type: none"> <li>• general lubrication of electrical switches and contacts</li> </ul>  |
| <b>G.G.S.</b>      | <ul style="list-style-type: none"> <li>• dry lubricating film</li> <li>• protection against wear and tear with emergency-running characteristics</li> </ul>   | <ul style="list-style-type: none"> <li>• soot blower lubrication</li> <li>• application with extreme dust</li> </ul>   |
| <b>G.W.F.</b>      | <ul style="list-style-type: none"> <li>• contains solids</li> <li>• prevents jamming</li> <li>• prevents frictional corrosion</li> </ul>  | <ul style="list-style-type: none"> <li>• assembly and disassembly aid for metal-mechanical connections</li> <li>• universal assembly paste</li> <li>• screws in hot zones</li> </ul>   |
| <b>S.K.D. 3602</b> | <ul style="list-style-type: none"> <li>• extremely compression-proof</li> <li>• free of solids</li> <li>• water resistant</li> <li>• adherent</li> <li>• ageing- and oxidation-resistant</li> </ul>                           | <ul style="list-style-type: none"> <li>• wet deslagging bearings</li> <li>• bearings, bolts and joints in wet and exterior areas</li> <li>• contact grease for outside electrical contacts</li> </ul>                                      |
| <b>S.K.D. 4002</b> | <ul style="list-style-type: none"> <li>• temperature application range -50 °C to +210 °C</li> <li>• ageing- and oxidation-resistant</li> <li>• no cracking</li> </ul>   | <ul style="list-style-type: none"> <li>• armature lubrication / thermally charged armat</li> <li>• roller and plain bearing lubrication</li> <li>• general lubrication</li> <li>• contact grease for inside electrical contacts</li> </ul> |
| <b>S.K.D. 5002</b> | <ul style="list-style-type: none"> <li>• temperature application range to +260 °C</li> <li>• resistant to water, hot steam, acids and lyes</li> <li>• NSF-H1 listed</li> </ul>  | <ul style="list-style-type: none"> <li>• Rsoot blower lubrication</li> <li>• high-temperature applications</li> <li>• armature lubrication</li> <li>• radiation-resistant</li> </ul>   |
| <b>W.A.P.</b>      | <ul style="list-style-type: none"> <li>• contains solid lubricants</li> <li>• pressure resistant</li> <li>• moisture resistant</li> </ul>   | <ul style="list-style-type: none"> <li>• spindle lubrication</li> <li>• adjusting drives</li> <li>• screws in wet zones</li> </ul>   |



# Professional solutions for quality and safety





### Lubricating oils

Rivolta®-oils are high-performance totally synthetic lubricants from a combination of high-quality basic oils in connection with a high-performance additive package. That gives our products a performance range that is head and shoulders above traditional oils.

| product             | features  | areas of application  |
|---------------------|---|---|
| <b>S.B.H. 23</b>    | <ul style="list-style-type: none"> <li>not hazardous to water</li> <li>biologically degradable</li> <li>very resistant to oxidation</li> <li>ISO VG 46</li> </ul> | <ul style="list-style-type: none"> <li>bearings, gears, bolts, steering racks and lifting spindles in inside or outside wet areas</li> <li>hydraulic systems in areas sensitive to the environment</li> </ul> |
| <b>S.I.L.</b>       | <ul style="list-style-type: none"> <li>silicon spray</li> <li>maintains and protects</li> <li>heat- and cold-resistant</li> <li>water repellent</li> </ul>        | <ul style="list-style-type: none"> <li>for general care of gliding pairs of metal-plastic, plastic-plastic and rubber-rubber</li> </ul>   |
| <b>S.K.D. 16</b>    | <ul style="list-style-type: none"> <li>rust dissolving</li> <li>reduces wear and tear</li> <li>cleansing</li> </ul>   | <ul style="list-style-type: none"> <li>inside chain lubrication such as chain conveyors</li> <li>loosens stiff and rigid chains</li> <li>inside cable lubrication</li> </ul>                                  |
| <b>S.K.M. 17</b>    | <ul style="list-style-type: none"> <li>biologically degradable</li> <li>not hazardous to water</li> <li>prevents corrosion</li> </ul>                             | <ul style="list-style-type: none"> <li>inside chain/cable lubrication in dust areas and ecologically sensitive zones</li> </ul>   |
| <b>S.K.M. 41</b>    | <ul style="list-style-type: none"> <li>biologically degradable</li> <li>not hazardous to water</li> <li>ageing- and oxidation-resistant</li> </ul>                | <ul style="list-style-type: none"> <li>gear lubrication in areas sensitive to the environment</li> </ul>  |
| <b>S.K.M. 3010*</b> | <ul style="list-style-type: none"> <li>biologically degradable</li> <li>extremely adhering</li> <li>water repellent</li> </ul>                                    | <ul style="list-style-type: none"> <li>outside chain/cable lubrication, even i sensitive to the environment</li> </ul>  |
| <b>T.R.S. Plus</b>  | <ul style="list-style-type: none"> <li>rust dissolving</li> <li>high level of creepability</li> </ul>   | <ul style="list-style-type: none"> <li>general maintenance</li> <li>loosens fixed component parts</li> </ul>  |



\* S.K.D. 3000 can also be used as an alternative. Please get in contact with us directly for your specific application.

### Corrosion protection

Rivolta®-corrosion protection products are needed when you want to protect machines or component parts over a longer period of time, for instance with long-term preservation/standstill preservation, intermediate/final preservation and outside storage.

| product           | features  | areas of application  |
|-------------------|---|---|
| <b>K.S.P. 312</b> | <ul style="list-style-type: none"> <li>corrosion protection spray</li> <li>wax-like protective film</li> <li>improved grip</li> </ul> | <ul style="list-style-type: none"> <li>preserving metallic surfaces</li> <li>standstill preservation</li> </ul> |
| <b>K.S.P. 317</b> | <ul style="list-style-type: none"> <li>corrosion protection wax</li> <li>long protective effect</li> <li>improved grip</li> </ul>     | <ul style="list-style-type: none"> <li>preserving metallic surfaces</li> <li>standstill preservation</li> </ul> |



### Cleaners

Rivolta®-cleaners are special state-of-the-art products based on aqueous components and/or those containing hydrocarbons. Their hallmark is formidable cleaning performance and a high level of economic efficiency in their area of application. Using them spells out above-average occupational safety and maximum environmental protection.

| product           | features  | areas of application   |
|-------------------|---|--|
| <b>A.C.S. 3</b>   | <ul style="list-style-type: none"> <li>very high cleaning power</li> <li>residue-free and fast evaporation</li> </ul>                           | <ul style="list-style-type: none"> <li>cleaning and degreasing metallic surfaces in the entire workshop zone</li> <li>loosens cracked residues</li> </ul>                          |
| <b>B.R.X. 624</b> | <ul style="list-style-type: none"> <li>aqueous high-performance cleaner</li> <li>foam-free</li> <li>neutral in smell</li> </ul>                 | <ul style="list-style-type: none"> <li>cleaning such things as machine components, repair parts and gear elements in the washing machine</li> <li>high-pressure cleaner</li> </ul> |
| <b>B.W.R. 210</b> | <ul style="list-style-type: none"> <li>aqueous cleaning concentrate</li> <li>free of silicon and silicate</li> <li>NSF-A1 registered</li> </ul> | <ul style="list-style-type: none"> <li>universal cleaning of machines and vehicles</li> </ul>  |

### Cleaners

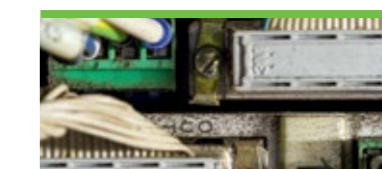
| product                        | features  | areas of application   |
|--------------------------------|---|--|
| <b>B.W.R. 210 phosphatfrei</b> | <ul style="list-style-type: none"> <li>aqueous low-foam cleaning concentrate</li> <li>free of phosphates and chlorides</li> <li>high level of cleaning power</li> </ul> | <ul style="list-style-type: none"> <li>cleaning gas turbines</li> <li>cleaning stainless steel components without pitting formation</li> </ul>   |
| <b>M.T.X. 60 forte</b>         | <ul style="list-style-type: none"> <li>ready-to-use hydrocarbon cleaner</li> <li>intensive cleaning power</li> <li>residue-free evaporation</li> </ul>                  | <ul style="list-style-type: none"> <li>component cleaner</li> <li>removing oily and cracked residues</li> <li>setting cable coupling boxes when mounting cables</li> <li>cable cleaning*/removing bitumen</li> </ul> |
| <b>S.N.C. 101</b>              | <ul style="list-style-type: none"> <li>NSF-A1 registered</li> <li>VOC-free</li> <li>biologically degradable</li> <li>high level of cleaning power</li> </ul>            | <ul style="list-style-type: none"> <li>loosening bitumen, oil residues and paints</li> <li>removing heavy oil (warm application)</li> </ul>  |
| <b>S.R.K.</b>                  | <ul style="list-style-type: none"> <li>penetrates layers of coating</li> <li>high level of cleaning power</li> <li>does not evaporate</li> </ul>                        | <ul style="list-style-type: none"> <li>removing heavy oil (cold application)</li> <li>filter cleaning</li> <li>preliminary cleaning</li> </ul>   |



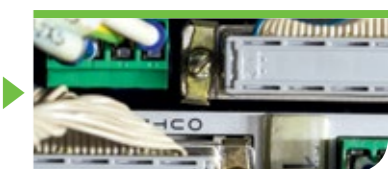
\* You can find information on electrical wet cleaning (such as control cubicles) in our separate brochure.

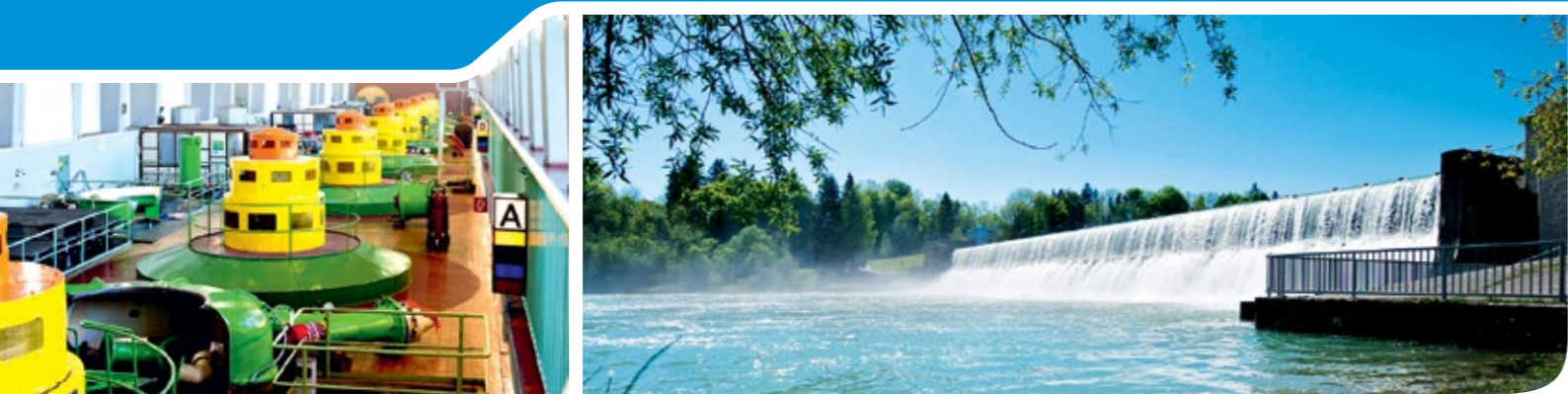


Before cleaning



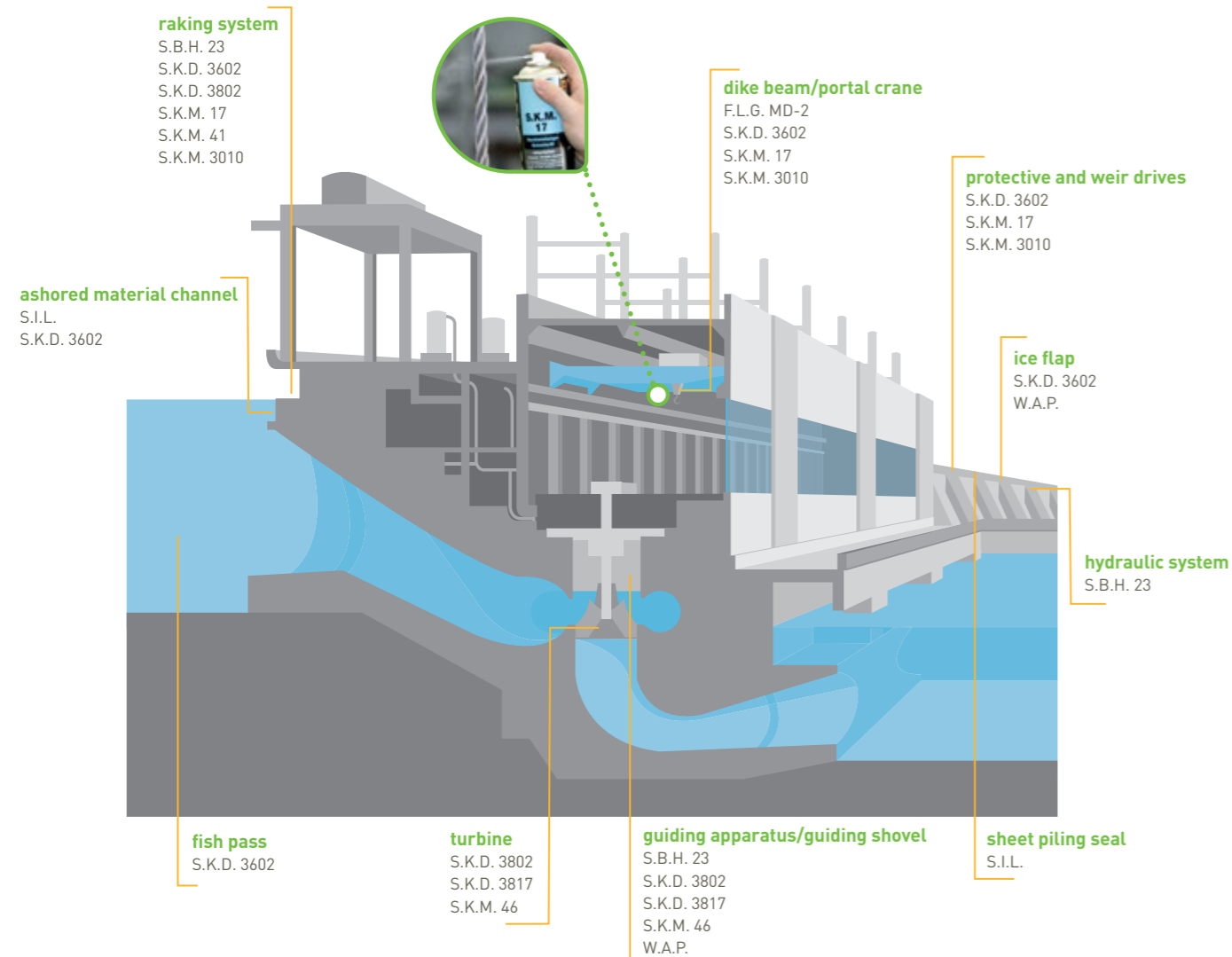
After cleaning





## Water power stations

Fast biodegradability of the products used is an important criterion for water power plants since there is the danger that lubricants might get into the environment. Beyond this, the law requires very special lubricants for use in ecologically sensitive zones to protect the environment. We offer you individual products that have a high level of biodegradability that allow unrestricted usage in these areas.



This illustration only shows a simplified product outline. Please get in contact with us directly to find the appropriate product for your specific application.

### Lubricating greases

| product            | features   | areas of application  |
|--------------------|--|---|
| <b>F.L.G. MD-2</b> | <ul style="list-style-type: none"> <li>completely synthetic silicon grease</li> <li>water repellent</li> <li>very good long-term lubricant</li> </ul>            | <ul style="list-style-type: none"> <li>anti-seize and maintenance agents for such things as seals, O-rings and collars</li> </ul>             |
| <b>S.K.D. 3602</b> | <ul style="list-style-type: none"> <li>free of solids</li> <li>water resistant</li> <li>adherent</li> <li>ageing- and oxidation-resistant</li> </ul>             | <ul style="list-style-type: none"> <li>bearings, joints, bolts, steering racks and lifting spindles in outside or inside wet areas</li> </ul> |
| <b>S.K.D. 3802</b> | <ul style="list-style-type: none"> <li>biologically degradable</li> <li>very water resistant</li> <li>ageing- and oxidation-resistant</li> <li>NLGI 2</li> </ul> | <ul style="list-style-type: none"> <li>turbines, bearings, rollers, spindles and bolts in areas sensitive to the environment</li> </ul>       |
| <b>S.K.D. 3817</b> | <ul style="list-style-type: none"> <li>biologically degradable</li> <li>very water resistant</li> <li>ageing- and oxidation-resistant</li> <li>NLGI 1</li> </ul> | <ul style="list-style-type: none"> <li>turbines, bearings, rollers, spindles and bolts in areas sensitive to the environment</li> </ul>       |
| <b>W.A.P.</b>      | <ul style="list-style-type: none"> <li>contains solid lubricants</li> <li>pressure resistant</li> <li>extremely water resistant</li> </ul>                       | <ul style="list-style-type: none"> <li>screws under water</li> <li>adjusting drives in areas with a high level of water pollution</li> </ul>  |

### Lubricating oils

| product                 | features   | areas of application   |
|-------------------------|--|--|
| <b>S.B.H. 23</b>        | <ul style="list-style-type: none"> <li>not hazardous to water</li> <li>biologically degradable</li> <li>very resistant to oxidation</li> <li>ISO VG 46</li> </ul>    | <ul style="list-style-type: none"> <li>rack system</li> <li>adjusting water feed</li> <li>hydraulic systems in areas sensitive to the environment</li> </ul> |
| <b>S.I.L.</b>           | <ul style="list-style-type: none"> <li>Silikonspray</li> <li>pfl egt und schützt</li> <li>hitze- und kältebeständig</li> <li>wasserabweisend</li> </ul>              | <ul style="list-style-type: none"> <li>seal for the sheet piling</li> </ul>  |
| <b>S.K.M. 17</b>        | <ul style="list-style-type: none"> <li>biologisch abbaubar</li> <li>nicht wassergefährdend</li> <li>korrosionsverhindernd</li> <li>gutes Eindringvermögen</li> </ul> | <ul style="list-style-type: none"> <li>inside chain/cable lubrication in areas sensitive to the environment</li> </ul>                                       |
| <b>S.K.M. 41/46/121</b> | <ul style="list-style-type: none"> <li>biologisch abbaubar</li> <li>alterungs- und oxidationsstabil</li> <li>ISO VG 68/100/220</li> </ul>                            | <ul style="list-style-type: none"> <li>outside chain/cable lubrication in areas sensitive to the environment</li> </ul>                                      |
| <b>S.K.M. 3010</b>      | <ul style="list-style-type: none"> <li>biologisch abbaubar</li> <li>extrem haftfest</li> <li>wasserabweisend</li> <li>korrosionsschützend</li> </ul>                 | <ul style="list-style-type: none"> <li>outside chain/cable lubrication in areas sensitive to the environment</li> </ul>                                      |

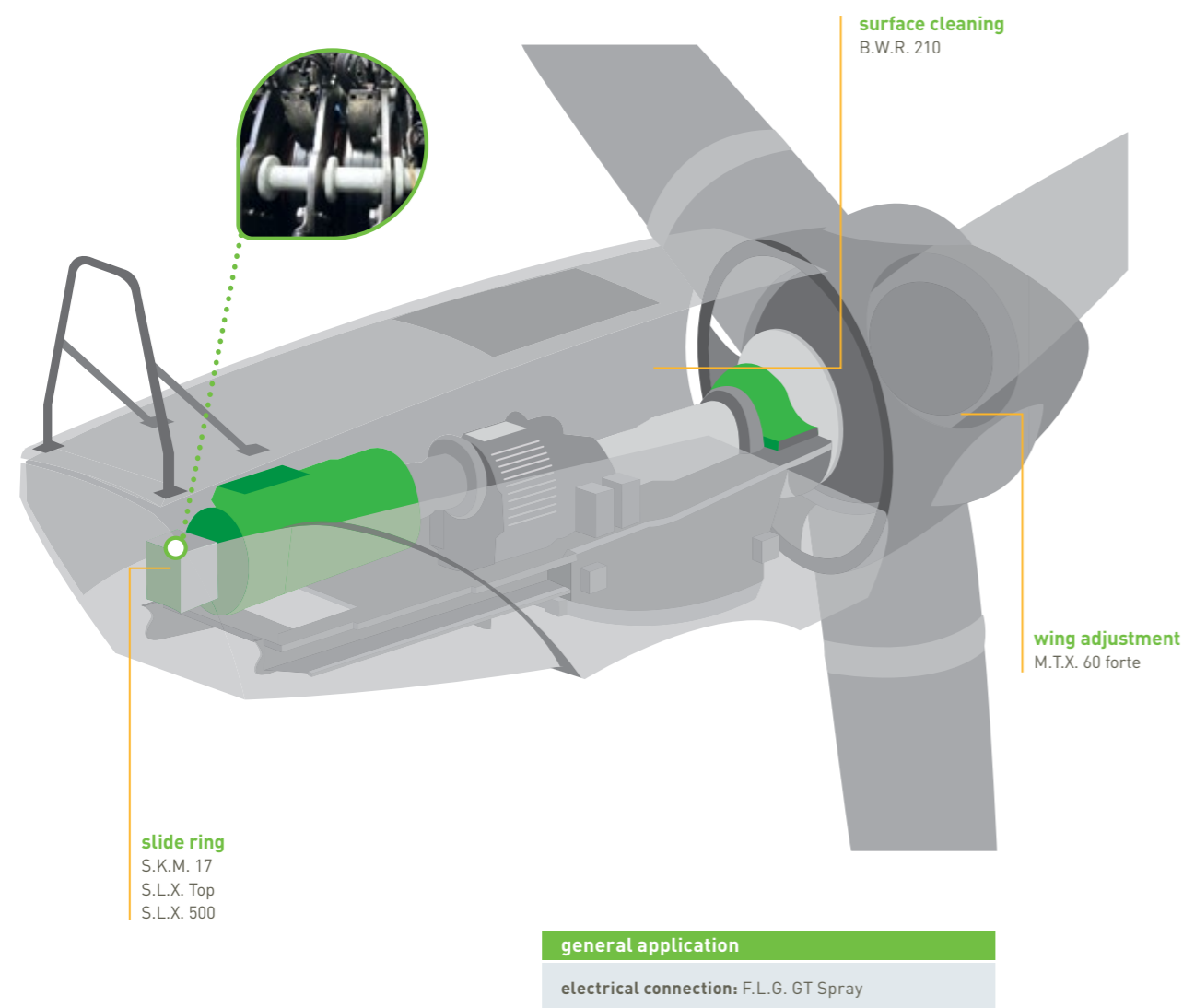


You can find cleaning products in the chapter on „lubricating greases“.



## Wind power plants

There is presently an enormous boost in the utilisation of wind power plants. But it is not only the business area that is burgeoning, but also the challenges made of these plants. Bremer & Leguil offers special lubricants and cleaners for wind power that combine a high level of technical performance and major productivity for each of the components to drive down the time and effort for service as well as the costs spent on it.



### Cleaners

| product                | features  | areas of application   |
|------------------------|---|--|
| <b>B.W.R. 210</b>      | <ul style="list-style-type: none"> <li>• aqueous cleaning concentrate</li> <li>• universally applicable</li> <li>• free of silicon and silicate</li> <li>• NSF-A1 registered</li> </ul> | <ul style="list-style-type: none"> <li>• cleaning all kinds of covering and housing surfaces such as glass-fibre reinforced plastic surfaces</li> <li>• removing mould in the pod</li> </ul> |
| <b>M.T.X. 60 forte</b> | <ul style="list-style-type: none"> <li>• ready-to-use hydrocarbon cleaner</li> <li>• intensive cleaning power</li> <li>• residue-free evaporation</li> </ul>                            | <ul style="list-style-type: none"> <li>• removing oily and cracked residues</li> <li>• eliminating bearing grease escaping on bearings of the wing adjustment</li> </ul>                     |
| <b>S.L.X. Top</b>      | <ul style="list-style-type: none"> <li>• medium-fast and residue-free evaporation</li> <li>• puncture-proof to 100,000 V/cm</li> <li>• approved by Elin and Siemens</li> </ul>          | <ul style="list-style-type: none"> <li>• cleaning electrical components such as the slip rings</li> <li>• eliminating bearing grease escaping from generator bearings</li> </ul>             |
| <b>S.L.X. 500</b>      | <ul style="list-style-type: none"> <li>• very fast and residue-free evaporation</li> <li>• puncture-proof to 100,000 V/cm</li> <li>• no flashing point</li> </ul>                       | <ul style="list-style-type: none"> <li>• supplement to S.L.X. Top for turning on the system safely</li> </ul>  |



### Contact grease/oil

| product                | features   | areas of application   |
|------------------------|--|--|
| <b>F.L.G. GT-Spray</b> | <ul style="list-style-type: none"> <li>• prevents oxidation</li> <li>• optimum corrosion protection</li> <li>• low contact resistance</li> <li>• does not drip</li> <li>• approved by Enercon</li> </ul> | <ul style="list-style-type: none"> <li>• improving contacting on generator and earthing connections</li> </ul> |
| <b>S.K.M. 17</b>       | <ul style="list-style-type: none"> <li>• completely synthetic special oil</li> </ul>   | <ul style="list-style-type: none"> <li>• for oiling the slideways of the slip ring translator</li> </ul>       |



This illustration only shows a simplified product outline. Please get in contact with us directly to find the appropriate product for your specific application.



# Table of products and packaging

| Lubricants   |  |   |
|--|--|---|
| <b>F.L.G. GT-2</b><br>Multi-temperature grease                 |  | High-performance grease for special requirements  |
| <b>F.L.G. GT-Spray</b><br>Multi-temperature grease             |  | F.L.G. GT-2 in spray form   |
| <b>F.L.G. MD-2</b><br>High-performance silicone-grease         |  | High-performance silicon grease with a variety of applications  |
| <b>G.G.S.</b><br>Graphite lubricant                            |  | High-performance grease and separating film for the most extreme conditions (temperature, vacuum, radiation or dust and a lot more) |
| <b>G.W.F.</b><br>Anti-seize agent and lubricant                |  | Assembly paste for separating metallic friction partners (such things as connections or screws under great thermal stress)          |
| <b>S.B.H. 23</b><br>Ecofriendly high-performance hydraulic oil |  | Other temperature application range, not hazardous to water, ISO VG 46  |
| <b>S.I.L.</b><br>Silicone spray                                |  | The multi-functional silicon spray  |
| <b>S.K.D. 16</b><br>Inside bearing lubricant for chains        |  | For lubricating mechanical connections such as levers, joints, cables and chains  |
| <b>S.K.D. 3602</b><br>High-pressure high-performance grease    |  | Extremely adhering and weather-resistant contact grease for outside   |
| <b>S.K.D. 3802</b><br>Ecological multi-purpose lubricant       |  | NLGI class 2 grease   |
| <b>S.K.D. 3817</b><br>Ecofriendly lubricant                    |  | NLGI class 1 grease   |
| <b>S.K.D. 4002</b><br>High-temperature high-performance grease |  | Ageing-resistant and completely synthetic contact grease for inside   |
| <b>S.K.D. 5002</b><br>Highest temperature grease               |  | Maximum temperature grease on a fluoride oil basis with maximum thermal and excellent media resistance contact greasing             |
| <b>S.K.M. 17</b><br>High-performance lubricating oil           |  | Lubricating oil for chains, cables, roller/friction bearings and hydraulics; oxidation resistant ISO VG 22                          |
| <b>S.K.M. 41</b><br>High-performance cycle oil                 |  | Circulating oils for chains, roller/friction bearings and hydraulics, ISO VG 68   |

| <b>S.K.M. 46</b><br>High-performance cycle oil                         |  | Circulating oils for chains, roller/friction bearings and hydraulics, ISO VG 100  |
|--|--|---|
| <b>S.K.M. 121</b><br>High-performance cycle oil                        |  | Circulating oils for gears, roller/friction bearings, ISO VG 220  |
| <b>S.K.M. 3010</b><br>Water-resistant biodegradable adhesive lubricant |  | High-performance adhering lubricant for outside chain/cable lubrication in ecologically sensitive zones   |
| <b>T.R.S. Plus</b><br>Synthetic penetrating fluid                      |  | Multi-functional water-displacing creep and fine oil for dissolving and making seizing well-running parts   |
| <b>W.A.P.</b><br>High-performance paste                                |  | Extremely water resistant high-performance grease paste/assembly paste with metallic oxide ceramic solids   |
| Corrosion protection   |  |   |
| <b>K.S.P. 312</b><br>Corrosion protection wax spray                    |  | Fast and effective temporary long-term corrosion protection in aerosol form   |
| <b>K.S.P. 317</b><br>Corrosion protection wax                          |  | High yield corrosion protection wax with a wide range of applications   |
| Cleaners   |  |   |
| <b>A.C.S. 3</b><br>Highly effective rapid evaporating cleaner          |  | Universally applicable cleaning spray   |
| <b>B.R.X. 624</b><br>Water-based high-performance cleaner              |  | Powerful low-foam high-performance cleaner for dissolving stubborn soiling. suited to spray water systems and high-pressure cleaner                           |
| <b>B.W.R. 210</b><br>Water-based cleaning concentrate                  |  | Non-material-destructive, especially for use in moving cleaning systems and in chloride sensitive areas   |
| <b>B.W.R. 210 phosphatfrei</b><br>Low-foaming degreasing concentrate   |  | Non-material-destructive, especially for use in moving cleaning systems and in chloride sensitive areas   |
| <b>M.T.X. 60 forte</b><br>Intensive cleaner                            |  | Intensive cleaner with special reinforced cleaning and fast evaporation   |
| <b>S.L.X. 500</b><br>Safety cleaner                                    |  | For cleaning all electrical systems and equipment (such as electrical control cubicles or distribution boards) allows working under voltage                   |
| <b>S.L.X. Top</b><br>High-performance electro-cleaner                  |  | High-performance cleaner for all electrical equipment and component parts (such as switching systems, welding transformers, generators and electrical motors) |
| <b>S.N.C. 101</b><br>Mould cleaner and glue remover                    |  | Excellent dissolving property in relation to plastics, lacquer, paint and resin residues on metallic surfaces   |
| <b>S.R.K.</b><br>Special cleaner concentrate                           |  | High-performance cleaner for all electrical equipment and component parts (such as switching systems, welding transformers, generators and electrical motors) |

Editor and copyright:  
Bremer & Leguil GmbH

Reprinting, even in excerpts, only allowed after arrangement with Bremer & Leguil GmbH quoting the source and sending a specimen copy.

We drew up the information and data in this brochure to the best of our knowledge and they are regularly revised. However, we pass them on to others without any liability. Whenever our products are used, you should test them for applicability and convince yourself of satisfactory performance. We specialise in developing products for borderline cases in tribological systems together with users. Bremer & Leguil offers service and individualised consultation. Please get in contact with us.

We regularly modernise our products so that we reserve ourselves the right to change said products, their manufacturing process and all data in this brochure at any time and without advance notice provided that there are not any agreements with specific customers that are contrary to that. All prior publications shall lose their validity when this brochure is published.

Bremer & Leguil GmbH  
Am Burgacker 30 – 42  
47051 Duisburg/Germany

Duisburg Local Court  
HRB 932



 **bremer & leguil**

Bremer & Leguil GmbH • Am Burgacker 30–42 • 47051 Duisburg, Germany  
phone +49 (0) 203 99 23-0 • fax +49 (0) 203 2 59 01 • [www.bremer-leguil.de](http://www.bremer-leguil.de)